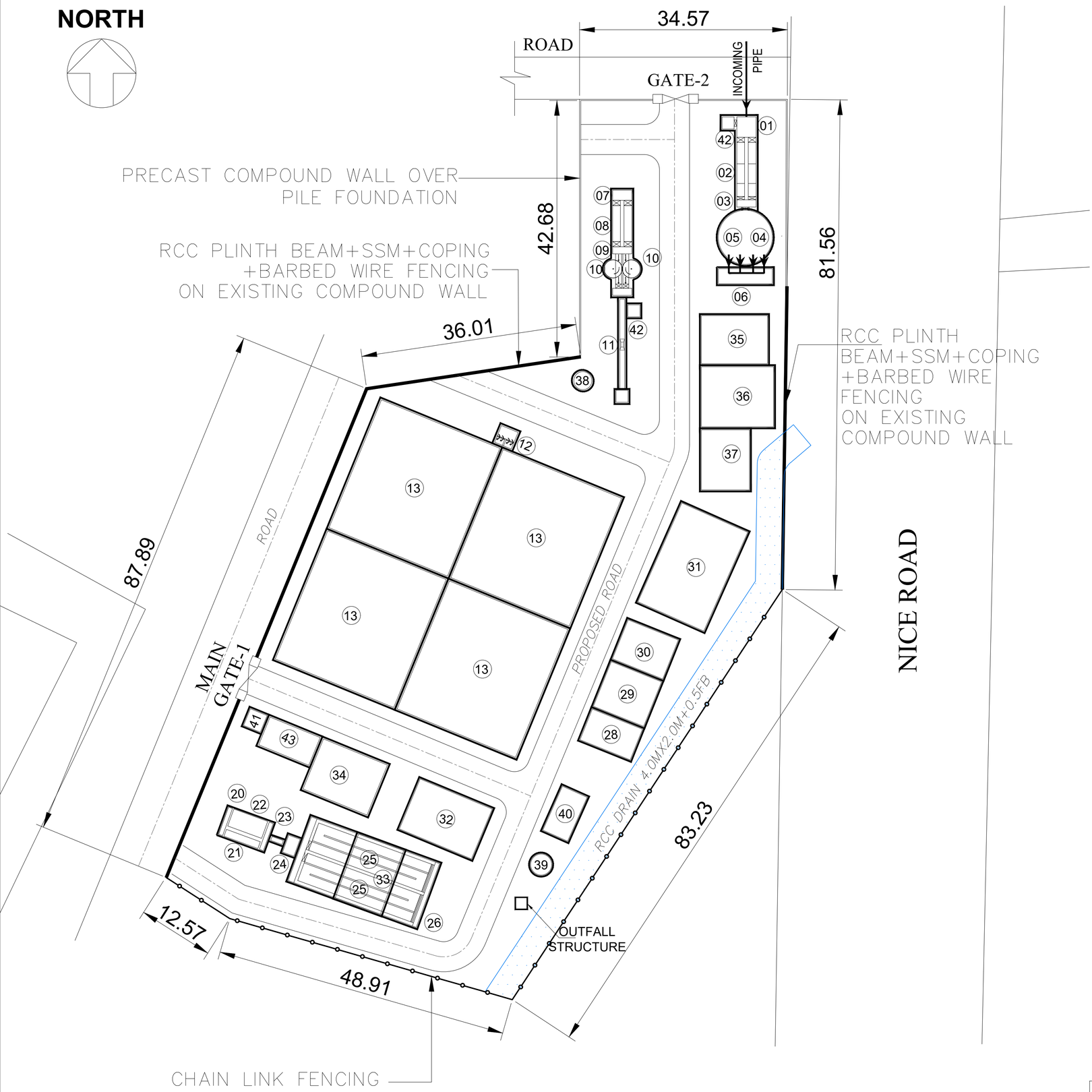
PROPOSED 10 MLD STP AT KOMMAGHATTA



NOTES: –

1. TOTAL LENGTH OF PROPOSED CHAIN LINK FENCING 2.75m HEIGHT =150m (APPROX)
2. TOTAL LENGTH OF PROPOSED COMPOUND WALL WITH PLINTH BEAM+1.5m SSM+COPING +BARBED WIRE FENCING(OVER EXISTING COMPOUND WALL)=150m (APPROX)
3. TOTAL LENGTH OF PROPOSED COMPOUND WALL WITH PLINTH BEAM+1.0m SSM+COPING +BARBED WIRE FENCING(OVER EXISTING COMPOUND WALL)=50m (APPROX)
4. TOTAL LENGTH OF PROPOSED PRECAST COMPOUND WALL WITH PILE FOUNDATION =110m (APPROX)
5. TOTAL LENGTH OF APPROACH ROAD = 20M (APPROX)
6. TOTAL LENGTH OF PROPOSED RCC SWD=120m
7. AVAILABILITY OF LAND 8820SQM (APPROX)

HFL: 797m	FGL: 797.75m	DATUM BENCH MARK: 798.945m

TSPS COMPONENT LIST

SI NO.	COMPONENT NAME	NO. OF UNITS	SIZE IN METERS				FREE BOARD
			L	W	LD*/H	DIA	
	TERMINAL SEWAGE PUMPING STATION (TSPS)						
01	TSPS INLET CHAMBER	1	3.40	3.20	1.20	–	–
02	TRASH SCREEN & COARSE SCREEN CHANNEL	2	9.00	1.30	0.90	–	–
03	COARSE SCREEN EFFLUENT CHANNEL	1	1.20	3.20	0.80	–	–
04	WET WELL	1	–	–	2.20	9.00	–
05	PUMPING HOUSE (ABOVE WET WELL)	1	–	–	5.50	9.00	–
06	VALVE CHAMBER	1	9.00	2.50	2.00	–	–

10 MLD STP COMPONENT LIST

SI NO.	COMPONENT NAME	NO. OF UNITS	SIZE IN METERS				FREE BOARD
			L	W	LD*/H	DIA	
	SEWAGE TREATMENT PLANT (STP)						
07	STP INLET CHAMBER	1	1.70	3.20	1.50	–	0.50
08	FINE SCREEN CHANNEL	2	6.00	1.30	0.80	–	0.50
09	FINE SCREEN EFFLUENT CHANNEL	1	1.20	3.20	0.80	–	0.50
10	GRIT CHAMBER	2	–	–	3.00	3.00	0.50
11	PARSHALL FLUME CHANNEL	1	15.00	0.80	0.50	–	0.50
12	SBR FLOW DISTRIBUTION BOX	1	3.00	3.00	1.50	–	0.50
13	SBR TANKS	4	23.0	21.3	6.00	–	0.60
14–19	NOT USED	–	–	–	–	–	–
20	DISC FILTER INFLUENT CHANNEL	1	4.80	0.70	0.50	–	0.50
21	DISC FILTER BYPASS CHANNEL	1	6.00	1.20	0.50	–	0.50
22	DISC FILTER	1	6.00	3.00	2.00	–	0.50
23	DISC FILTER EFFLUENT CHANNEL	1	4.80	0.70	0.50	–	0.50
24	CCT FLOW DISTRIBUTION BOX	1	2.00	3.00	1.50	–	0.50
25	CHLORINE CONTACT TANK	2	20.00	5.10	1.50	–	0.50
26	CCT EFFLUENT CHANNEL	1	11.00	0.70	0.40	–	0.50
27	NOT USED	–	–	–	–	–	–
28	CENTRIFUGE FEED SUMP	1	9.00	5.50	3.50	–	–
29	CENTRIFUGE FEED PUMP HOUSE	1	9.00	8.00	5.50	–	–
30	CENTRIFUGE BUILDING(G+1)	1	9.00	7.00	5.50	–	–
31	BLOWER BUILDING(INCLUDING ELECTRICAL PANEL)	1	18.00	12.00	9.00	–	–
32	CHEMICAL BUILDING	1	13.00	9.00	5.50	–	–
33	CHLORINATION BUILDING (ABOVE CCT)	1	11.3	8.00	5.50	–	–
34	ADMIN BUILDING INLUDES PLC SCADA,LABORATORY(G+1)	1	11.5	9.00	4.50	–	–
35	TRANSFORMER YARD	1	11.00	8.00	–	–	–
36	ELECTRICAL SUB STATION(TSPS/STP)	1	12.00	10.00	5.50	–	–
37	PLANT DG ROOM	1	10.00	8.00	5.50	–	–
38	SCUM PIT	1	–	–	1.50	3.00	1.50
39	PLANT DRAIN SUMP	1	–	–	2.00	3.50	2.50
40	TREATED WATER STORAGE SUMP	1	8.00	4.50	3.00	–	1.00
41	GUARD ROOM(SECURITY ROOM)	1	3.00	3.00	2.70	–	–
42	OVERFLOW CHAMBER	2	2.00	2.00	1.50	–	–
43	PARKING SHED	1	9.00	5.00	4.50	–	–

NAME OF WORK: –

CONSTRUCTION OF 10MLD SEWAGE TREATMENT PLANT AT SMV LAYOUT, KOMMAGHATTA

FOR TENDER PURPOSE